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Fig.

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## Amendment to the Claims

1. (Original) A communications network comprising:

a pair of network elements;

two or more working spans coupled between said pair of network elements for carrying communications traffic between said pair of network elements, each working span carrying said communications traffic over a plurality of channels associated with one or more rings;

a shared protection span coupled between said network elements, said shared protection span providing a plurality of channels;

wherein said network elements include circuitry for concurrently switching communication traffic on rings associated with different working spans to respective channels of said shared protection span.

- 2. (Original) The communications network of claim 1 wherein at least one of said working spans carries traffic for multiple ring structures.
- 3. (Original) The communications network of claim 1 wherein said pair of network elements each includes a non-blocking optical matrix.
- 4. (Original) The communications network of claim 3 wherein each of said pair of network elements is coupled to two or more incoming working spans and two or more corresponding incoming protection spans.
- 5.(Original) The communications network of claim 4 wherein each of said pair of network elements includes control circuitry for switching a channel from each of said incoming protection spans to an available channel of said shared protection span.
- 6. (Original) The communications network of claim 5 wherein said control circuitry further is operable to switch a channel from each of said incoming working spans to said shared protection span.

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- 7. (Original) The communications network of claim 4 wherein each of said pair of network elements includes control circuitry for switching a channel from said shared protection span to a channel on an outgoing protection span.
- 8. (Original) A method of communication information in a communications network, comprising the steps of:

passing communications traffic between a pair of network elements, where the pair of network elements are coupled by two or more working spans each carrying communications traffic between the pair of network elements over a plurality of channels associated with one or more rings and by a shared protection span supporting a plurality of channels over which communication traffic may be passed;

in the event of failures in channels associated with two or more rings associated with different working spans, concurrently transferring communication traffic associated with each of said two or more rings over said shared protection span.

- 9. (Original) The method of claim 8 wherein said step of passing communications traffic between said pair of network elements includes the step of passing communications traffic over two or more working spans, where at least one of said working spans carries communications traffic for at multiple ring structures.
- 10. (Original) The method of claim 8 wherein said concurrently transferring step comprises the step of transferring communications traffic through a non-blocking optical matrix to said shared protection span.
- 11. (Original) The method of claim 8 wherein said concurrently transferring step includes the step of receiving communications traffic from a plurality of incoming protection spans.

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- 12. (Original) The method of claim 11 and further comprising the step of transmitting communications traffic from said shared protection span to two or more outgoing protection spans.
  - 13. (Original) A network element comprising:

interface circuitry for coupling to two or more incoming working spans and two or more respective incoming protection spans, each of said working spans operable to carry communications traffic over a plurality of channels associated with one or more rings; and

switching circuitry for concurrently coupling channels from different incoming protection spans to a shared protection span.

- 14. (Original) The network element of claim 13 wherein said switching circuitry includes control circuitry for selective switching a channel from an incoming protection span to an available channel on said shared protection span responsive to control information.
- 15. (Original) The network element of claim 14 wherein said switching circuitry further includes a non-blocking optical matrix.
- 16. (Original) The network element of claim 13 wherein said interface circuitry includes a channel demultiplexer.
- 17. (Original) The network element of claim 16 wherein said interface circuitry further includes a channel multiplexer.
- 18. (Original) The network element of claim 17 wherein said interface circuitry includes input/output shelves coupled to said demultiplexer and said multiplexer.